

Intel® Atom™ Processor E3800

SPI Driver Release Notes

1. Driver Information

This is the main SPI driver (32bit and 64bit) for the Bay Trail-I platform for Microsoft Windows* 7 and WES7

- Driver name
 - iapospi.sys
 - “Intel® Atom™/Celeron®/Pentium® Processor SPI Controller” in device manager list
- Version
 - 1.1.5.1021
- Release Data
 - 3/10/2014
- List of files in the driver package
 - Driver binaries
 - iaiospi.inf
 - iaiospi.sys
 - iaiospi.cat
 - Driver Interface head filer
 - SPIPublic.h
 - Driver documents
 - BYT-I_Win7_IODriver_Programmer_Guide.docx
 - ISG_BYT-I_SPI_Driver_Release_Note.docx

2. System Requirement

- Supported Platform
 - Bay Trail-I Fab3 Rev3 (SKU: B3)
 - Baker Sport Fab B (SKU: B3)
 - Windows 7 Ultimate 64 bit SP1 (7601)
 - Windows 7 Ultimate 32 bit SP1 (7601)
 - Windows Embedded Standard 64 bit SP1 (7601)
 - Windows Embedded Standard 32 bit SP1 (7601)
- Development Environment
 - Windows 7 64 bit SP1 (7601)
 - Microsoft Visual Studio Professional 2012 Version 11.0.50727.1 RTMREL
 - MSBuild 4.0.30319.17929
 - Windows Driver Kit 8.0.0
- Dependency
 - N/A
- Constraint
 - N/A

3. Enabled Features

- Support SPI mode 0,1,2,3
- Support transfer rate at the minimum of 100 kbps and at maximum rate 15 Mbps
- Support polling of IO data transfer (Read/Write)
- DMA data transfer

4. Disabled features

N/A

5. Fixed Issues or New Features

N/A

6. Known Issues

- HSD [4634792][WIN8/WIN7] One bit is wrong occasionally in SPI

7. Installation Guide

- Execute Intel Atom E3800 Win7 IO Drivers 64Bit.msi to install 64bit driver
- Execute Intel Atom E3800 Win7 IO Drivers 32Bit.msi to install 32bit driver
- Uninstall the driver from Control Panel\All Control Panel Items\Programs and Features or Uninstall the driver by click MSI installer again.

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